

GenCore version 6.2.1
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OM nucleic - nucleic search, using sw model

Run on: May 17, 2007, 16:38:27 ; Search time 2 Seconds
(without alignments)
20.947 Million cell updates/sec

Title: AC139623
Perfect score: 202471
Sequence: 1 ATCAAAATGAGCAATTAATG.....CTGTAAGAGAGACATTTCCTCA 203371

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 6 seqs, 103 residues
Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : seq4toseq9.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	21	0.0	21	1 US-10-717-573-8	Sequence 8, Appli
C 2	19.4	0.0	21	1 US-10-717-573-8	Sequence 8, Appli
C 3	16.8	0.0	20	1 US-10-717-573-7	Sequence 7, Appli
C 4	16.8	0.0	20	1 US-10-717-573-7	Sequence 7, Appli
C 5	16.8	0.0	20	1 US-10-717-573-9	Sequence 9, Appli
C 6	15.8	0.0	20	1 US-10-717-573-9	Sequence 9, Appli
C 7	11.4	0.0	13	1 US-10-717-573-5	Sequence 5, Appli
C 8	11	0.0	13	1 US-10-717-573-5	Sequence 5, Appli
C 9	10.8	0.0	14	1 US-10-717-573-4	Sequence 4, Appli
C 10	10.8	0.0	14	1 US-10-717-573-4	Sequence 4, Appli
C 11	11.8	0.0	15	1 US-10-717-573-6	Sequence 6, Appli
C 12	12.4	0.0	15	1 US-10-717-573-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-10-717-573-8
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-PABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA

; ORGANISM: Danio rerio
US-10-717-573-8

Query Match 0.0%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 0.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99790 TGACTTGCCTAATACCTAA 99810
DB 1 TGACTTGCCTAATACCTAA 21

RESULT 2

US-10-717-573-8/c
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:

; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour

; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-PABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-8

Query Match 0.0%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 0.88;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 17798 TTAGGTAATAGGCAAGTTA 177818
DB 21 TTAGGTAATAGGCAAGTCA 1

RESULT 3

US-10-717-573-7
; Sequence 7, Application US/10717573
; GENERAL INFORMATION:

; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour

; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-PABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-7

Query Match 0.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 2.2;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 45057 AATTAAACAAACAAATTA 45076
DB 1 AATTAAACAAACAAATTA 20

RESULT 4

US-10-717-573-7/c
; Sequence 7, Application US/10717573
; GENERAL INFORMATION:

; APPLICANT: WU, Jen-Leih

APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 7
LENGTH: 20
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-7

Query Match 0.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 2.2;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 45094 TTAATTTGTTGTTAAAT 45113
Db 20 TTAATTTGTTGTTAAAT 1

RESULT 5

US-10-717-573-9
Sequence 9, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 9
LENGTH: 20
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-9

Query Match 0.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 2.2;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 28874 TAGTTACCTAAATTAACCTA 28893
Db 1 TAGTTACCTAAATTAACCTA 20

RESULT 6

US-10-717-573-9/c
Sequence 9, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 9
LENGTH: 20
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-9

Query Match 0.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 3.1;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 79467 ATGTTAATTAGGTTAACTA 79485
Db 19 AGGTTAATTAGGTTAACTA 1

RESULT 7

US-10-717-573-5
Sequence 5, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5
LENGTH: 13
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-5

Query Match 0.0%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 13;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 65231 AAAATTAACACAGTG 65243
Db 1 AAAATTAACACAGG 13

RESULT 8

US-10-717-573-5/c
Sequence 5, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5
LENGTH: 13
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-5

Query Match 0.0%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 150587 CTGTTTATTTT 150597
Db 11 CTGTTTATTTT 1

RESULT 9

US-10-717-573-4
Sequence 4, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21

RESULT 10
US-10-717-573-4
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio

Query Match 0.0%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 13;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 29041 TCCGTTTAAACAGAA 29054
Db 1 TCCGATAAACAGAA 14

RESULT 10
US-10-717-573-4/c
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio

Query Match 0.0%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 13;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 79291 TTCTGTTTAAACAGA 79304
Db 14 TTCTGTTTATCGGA 1

RESULT 11
US-10-717-573-6
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio

Query Match 0.0%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 11;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 45042 AGTTTATTGTATG 45056
Db 1 AATTATTGTGTTG 15

RESULT 12
US-10-717-573-6/c
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio

Query Match 0.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 9.8;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 157989 CAACAAAATAAAT 158002
Db 15 CAACACAAATAAAT 2

Search completed: May 17, 2007, 16:39:00
Job time: 27 secs

Seq ID NO: 4 85.7%

NO: 5 100%

NO: 6 92.9%

NO: 7 90%

NO: 8 100%

17779

NO: 9 89.5

GenCore version 6.2.1
Copyright (c) 1993 - 2007 Bioceleration Ltd.
OM nucleic - nucleic search, using sw model
Run on: May 17, 2007, 16:41:06 ; Search time 1 Seconds
(without alignments)
33.462 Million cell updates/sec
Title: AL929535
Perfect score: 162436
Sequence: 1 GAATTCGGCCAGATTGG.....TAATTTTACTGTGTAATTC 162436
Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 0.5
Searched: 6 seqs, 103 residues
Total number of hits satisfying chosen parameters: 12
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
Database : seq4toseq9.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES				
Result No.	Score	Query Match	Length DB ID	Description
1	16.8	0.0	20 1	US-10-717-573-9 Sequence 9, Appli
2	18.4	0.0	20 1	US-10-717-573-9 Sequence 9, Appli
3	19.4	0.0	21 1	US-10-717-573-8 Sequence 8, Appli
4	19.4	0.0	21 1	US-10-717-573-8 Sequence 8, Appli
5	15.2	0.0	20 1	US-10-717-573-7 Sequence 7, Appli
6	15.2	0.0	20 1	US-10-717-573-7 Sequence 7, Appli
7	11.4	0.0	13 1	US-10-717-573-5 Sequence 5, Appli
8	13	0.0	13 1	US-10-717-573-5 Sequence 5, Appli
9	12.4	0.0	14 1	US-10-717-573-4 Sequence 4, Appli
10	10.8	0.0	14 1	US-10-717-573-4 Sequence 4, Appli
11	11.8	0.0	15 1	US-10-717-573-6 Sequence 6, Appli
12	12.4	0.0	15 1	US-10-717-573-6 Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-10-717-573-9
; Sequence 9, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA

ORGANISM: Danio rerio
US-10-717-573-9
Query Match 0.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 2.1;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 11137 TAGTTAACCTAATTACCCA 11156
DB 1 TAGTTACCTAATTACCTA 20
RESULT 2
US-10-717-573-9/c
; Sequence 9, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-9
Query Match 0.0%; Score 18.4; DB 1; Length 20;
Best Local Similarity 95.0%; Pred. No. 1.1;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 133585 TAGGTTAATTAGGTTAACTA 133604
DB 20 TAGGTTAATTAGGTTAACTA 1

RESULT 3
US-10-717-573-8
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-8
Query Match 0.0%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 0.72;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 91587 TGATTTGCCTAATTACCTAA 91607
DB 1 TGATTTGCCTAATTACCTAA 21

RESULT 4
US-10-717-573-8/c
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih

APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 21
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-8

Query Match 0.0%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 0.72; 1; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

Qy 81473 TTAGGGTAATTAGGCAAGTTA 81493
Db 21 TTAGGGTAATTAGGCAAGTCA 1

RESULT 5
US-10-717-573-7

Sequence 7, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 7
LENGTH: 20
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-7

Query Match 0.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 3.7; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 136999 AATTTAAACCAACAAATTA 137018
Db 1 ATTTTAAGCAACAAATTA 20

RESULT 6
US-10-717-573-7/c

Sequence 7, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 7
LENGTH: 20
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-7

Query Match 0.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 3.7; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0;

Qy 137034 TTAACCTGTTTGTAAAT 137053
Db 20 TTAATTTGTTGCTTAAAT 1

RESULT 7

US-10-717-573-5
Sequence 5, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5
LENGTH: 13
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-5

Query Match 0.0%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 14; 1; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

Qy 35781 AAAATATACAGG 35793
Db 1 AAAATAAACAGG 13

RESULT 8

US-10-717-573-5/c
Sequence 5, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5
LENGTH: 13
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-5

Query Match 0.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 11; 0; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 0;

Qy 81261 CCTGTTTATTT 81273
Db 13 CCTGTTTATTT 1

RESULT 9

US-10-717-573-4
Sequence 4, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21

4

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; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
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Query Match 0.0%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 11;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 29052 TCCGTTAAACAGAA 29065
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Db 1 TCCGATAAACAGAA 14

4

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RESULT 10
US-10-717-573-4/c
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
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Query Match 0.0%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 14;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 44370 TTCTGTTTAAATCGA 44383
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Db 14 TTCTGTTTAAATCGA 1

6

```
RESULT 11
US-10-717-573-6
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
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Query Match 0.0%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 12;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 69869 AATCGATTTGTGTG 69883
||| |||||
Db 1 AATTATTGTGTG 15

6

```
RESULT 12
US-10-717-573-6/c
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
```

Query Match 0.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 11;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 67162 AACACAAATAAACT 67175
||| |||||
Db 14 AACACAAATAAACT 1

Search completed: May 17, 2007, 16:41:32
Job time: 21 secs

- NO:4 is not at 100%, 92.9%

- NO:5 is at 100%, 100%

81261 - 81273bp

- NO:6 is not at 100%

- NO:7 is not at 100%

- NO:8 is not at 100%

- NO:9 is not at 100%

GenCore version 6.2.1
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OM nucleic - nucleic search, using sw model

Run on: May 17, 2007, 16:43:05 ; Search time 1 Seconds
(without alignments)
0.152 Million cell updates/sec

Title: BX240588
Perfect score: 738
Sequence: 1 CATGAAGCTTAGCCTTGTCT.....TTGAATGGTTATCTATTATC 738

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 0.5

Searched: 6 seqs, 103 residues
Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : seq4toseq9.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	19.4	2.6	21	US-10-717-573-8	Sequence 8, Appli
C 2	18.4	2.5	20	US-10-717-573-9	Sequence 9, Appli
C 3	13	1.8	13	US-10-717-573-5	Sequence 5, Appli
C 4	10.4	1.4	13	US-10-717-573-5	Sequence 5, Appli
C 5	10.4	1.4	20	US-10-717-573-7	Sequence 9, Appli
C 6	10	1.4	20	US-10-717-573-9	Sequence 9, Appli
C 7	9.8	1.3	21	US-10-717-573-8	Sequence 8, Appli
C 8	9.4	1.3	15	US-10-717-573-6	Sequence 6, Appli
C 9	9.2	1.2	14	US-10-717-573-4	Sequence 4, Appli
C 10	8.8	1.2	15	US-10-717-573-6	Sequence 6, Appli
C 11	8.4	1.1	20	US-10-717-573-7	Sequence 7, Appli
C 12	6.8	0.9	14	US-10-717-573-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-10-717-573-8/c
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA

; ORGANISM: Danio rerio
US-10-717-573-8

Query Match 2.6%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 0.26;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 446 TTAGGGTAATTAGGCAAGTTA 466
|||||
DB 21 TTAGGGTAATTAGGCAAGTCA 1

RESULT 2

US-10-717-573-9/c
; Sequence 9, Application US/10717573
; GENERAL INFORMATION:

; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-9

Query Match 2.5%; Score 18.4; DB 1; Length 20;
Best Local Similarity 95.0%; Pred. No. 0.38;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 420 TAGGTTAATTAGGTTAACTA 439
|||||
DB 20 TAGGTTAATTAGGTTAACTA 1

RESULT 3

US-10-717-573-5/c
; Sequence 5, Application US/10717573
; GENERAL INFORMATION:

; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-5

Query Match 1.8%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.3;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 237 CCCTGTTATTTT 249
|||||
DB 13 CCCTGTTATTTT 1

RESULT 4

US-10-717-573-5
; Sequence 5, Application US/10717573
; GENERAL INFORMATION:

; APPLICANT: WU, Jen-Leih

APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-5

Query Match 1.4%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 6.7;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 655 AAATAAAAGGG 666
||| ||| |||
Db 2 AAATAAACAGG 13

RESULT 5
US-10-717-573-7
; Sequence 7, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-7

Query Match 1.4%; Score 10.4; DB 1; Length 20;
Best Local Similarity 70.0%; Pred. No. 4.4;
Matches 14; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 637 ATTAAATATAGAAATAA 656
||| ||| ||| |||
Db 1 ATTTAAGCAACAATAA 20

RESULT 6
US-10-717-573-9
; Sequence 9, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-9

Query Match 1.4%; Score 10; DB 1; Length 20;
Best Local Similarity 72.2%; Pred. No. 4.8;
Matches 13; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 21 TAGCTATAGTGAATTAACC 38
||| ||| ||| ||| |||
Db 1 TAGTTACCTAATTAACC 18

RESULT 7
US-10-717-573-8
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-8

Query Match 1.3%; Score 9.8; DB 1; Length 21;
Best Local Similarity 66.7%; Pred. No. 4.8;
Matches 14; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 416 TAACAGTGAATTAAGTTAA 436
||| ||| ||| ||| |||
Db 1 TGACTTGCTAATTAACCTAA 21

RESULT 8
US-10-717-573-6/c
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6

Query Match 1.3%; Score 9.4; DB 1; Length 15;
Best Local Similarity 90.9%; Pred. No. 7.4;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 579 AAACAATAA 589
||| ||| ||| |||
Db 14 AACACAATAA 4

RESULT 9
US-10-717-573-4/c
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21

4

```
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
```

```
Query Match      1.2%; Score 9.2; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 8.3;
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 260 TTCTTTTAAACAGA 273
Db 14 TTCTGTTTATCGGA 1
```

6

```
RESULT 10
US-10-717-573-6
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-18802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
```

```
Query Match      1.2%; Score 8.8; DB 1; Length 15;
Best Local Similarity 83.3%; Pred. No. 8.4;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 86 AATTCTATGTG 97
Db 1 AATTATTGTG 12
```

7

```
RESULT 11
US-10-717-573-7/c
; Sequence 7, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-18802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-7
```

```
Query Match      1.1%; Score 8.4; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 6.8;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 243 TTATTTTGT 252
Db 20 TTAATTTGT 11
```

```
RESULT 12
US-10-717-573-4
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-18802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
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Query Match      0.9%; Score 6.8; DB 1; Length 14;
Best Local Similarity 80.0%; Pred. No. 12;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 653 ATAAATAAAA 662
Db 5 ATAAACAGAA 14
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Search completed: May 17, 2007, 16:43:05
Job time : 1 secs

Seq ID NO:4 80.1
78.6
NO:5 100.1
91.7
NO:6 83.3
90.9
NO:7 90.0
77.2

NO:8 65.7
72 95.2

NO:9 95
72.2